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 **PALM INTRANET**

## Inventor Information for 10/711427

| Inventor Name        | City            | State/Country |
|----------------------|-----------------|---------------|
| MURPHY, PATRICK      | RIVERVIEW       | FLORIDA       |
| MURPHY, PATRICK      | RIVERVIEW       | FLORIDA       |
| CONARD, TODD         | RUSKIN          | FLORIDA       |
| CONARD, TODD         | RUSKIN          | FLORIDA       |
| TUNKIS, WALDEMAR H.  | PALM HARBOR     | FLORIDA       |
| TUNKIS, WALDEMAR H.  | PALM HARBOR     | FLORIDA       |
| GOLDENBERG, MICHAEL  | MELBOURNE BEACH | FLORIDA       |
| GOLDENBERG, MICHAEL  | MELBOURNE BEACH | FLORIDA       |
| RODRIGUEZ, CARLOS M. | PALM HARBOR     | FLORIDA       |
| RODRIGUEZ, CARLOS M. | PALM HARBOR     | FLORIDA       |

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| US<br>20060047328<br>A1 | US-<br>PGPUB | 20060302 | 6 | Multi-frequency electrical field generator and use thereof  | 607/76    |                       | Murphy; Patrick              |
| US<br>20060047317<br>A1 | US-<br>PGPUB | 20060302 |   | Multi-frequency electrical field generator and use thereof  | 607/2     |                       | Murphy; Patrick              |
| US<br>20060030235<br>A1 | US-<br>PGPUB | 20060209 |   | Electronic toy  | 446/175   |                       | Brumagin; James G. et al.    |
| US<br>20050119920<br>A1 | US-<br>PGPUB | 20050602 |   | Method and apparatus for automated insurance processing   | 705/4     |                       | Murphy, Patrick J. et al.    |
| US<br>20050103807<br>A1 | US-<br>PGPUB | 20050519 | 8 | Dispenser assembly  | 222/226   |                       | Murphy, Patrick              |
| US<br>20040083177<br>A1 | US-<br>PGPUB | 20040429 |   | Method and apparatus for pre-encrypting VOD material with a changing cryptographic key                          | 705/50    |                       | Chen, Annie On-Yee et al.    |
| US<br>20040048232<br>A1 | US-<br>PGPUB | 20040311 |   | Method and apparatus for internet based management of compliance distribution and training                      | 434/322   | 434/219               | Murphy, Elizabeth Ann et al. |
| US<br>20040045237<br>A1 | US-<br>PGPUB | 20040311 |   | Insulated concrete form and welded wire form tie  | 52/309.11 | 52/426                | Coombs, Jerry D. et al.      |
| US<br>20040042179<br>A1 | US-<br>PGPUB | 20040304 |   | PCB heatsink  | 361/719   | 165/80.3;<br>257/712  | Murphy, Patrick Kevin        |
| US<br>20020178718<br>A1 | US-<br>PGPUB | 20021205 |   | Shutter system rotation mechanism   | 60/330    |                       | Murphy, Patrick Michael      |
| US<br>20020011174<br>A1 | US-<br>PGPUB | 20020131 |   | Traction pins for railway cars  | 105/199.1 |                       | Milligan, Bruce A. et al.    |
| US 7024172<br>B1        | USPAT        | 20060404 |   | Direct conversion receiver using a dithered local oscillator to mitigate adjacent channel coherent interference | 455/324   | 455/313;<br>455/323   | Murphy; Patrick J. et al.    |
| US 6902403<br>B1        | USPAT        | 20050607 |   | Contaminant-tolerant braille pins   | 434/112   | 340/407.1;<br>434/114 | Goldenberg; Michael          |
| US D505758<br>S         | USPAT        | 20050531 |   | Electrical control device   | D30/156   |                       | Rohmer; Richard M. et al.    |
| US 6873406<br>B1        | USPAT        | 20050329 |   | Tilt-compensated laser rangefinder  | 356/141.1 | 356/5.01              | Hines; Robin H. et al.       |
| US 6857375<br>B2        | USPAT        | 20050222 |   | Traction pins for railway cars  | 105/199.4 |                       | Milligan; Bruce A. et al.    |
| US 6815399              | USPAT        | 20041109 |   | Shear-sensitive plugging  | 507/211   | 106/638;              | Johnson; Les                 |

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| B1               |       |          |  | fluid for plugging and a method for plugging a subterranean formation zone |           | 106/713;<br>106/789;<br>166/293;<br>166/295;<br>507/269                             | et al.                               |
| US 6629410<br>B2 | USPAT | 20031007 |  | Constant velocity transmission   | 60/350    | 60/330;<br>60/364   | Murphy;<br>Patrick<br>Michael        |
| US 6625810<br>B1 | USPAT | 20030923 |  | Delivery of interactive program guide data                                 | 725/39    | 370/442;<br>725/131;<br>725/139;<br>725/50;<br>725/54                               | Murphy;<br>Patrick Joseph<br>et al.  |
| US D468309<br>S  | USPAT | 20030107 |  | Portable computer hard drive   | D14/368   |   | Goldenberg;<br>Michael               |
| US 6430017<br>B1 | USPAT | 20020806 |  | Thermal protection for surge suppressors                                   | 361/104   | 361/56  | Finlay, Sr.;<br>David Alan et<br>al. |
| US 6417448<br>B1 | USPAT | 20020709 |  | Safety switch  | 174/51    | 174/40CC;<br>174/6;<br>439/98   | Murphy;<br>Patrick J.                |
| US 6388206<br>B2 | USPAT | 20020514 |  | Microcircuit shielded, controlled impedance "Gatling gun" via              | 174/262   | 174/261   | Dove; Lewis<br>R et al.              |
| US D455128<br>S  | USPAT | 20020402 |  | Safety switch cover  | D13/177   |   | Laun;<br>Deborah A. et<br>al.        |
| US 6366622<br>B1 | USPAT | 20020402 |  | Apparatus and method for wireless communications                           | 375/322   | 329/304;<br>375/133;<br>375/222;<br>375/281;<br>375/345                             | Brown;<br>Stephen<br>Joseph et al.   |
| US 6354496<br>B1 | USPAT | 20020312 |  | Method for self service checkout   | 235/383   | 235/380;<br>235/381;<br>235/385   | Murphy;<br>Patrick R. et<br>al.      |
| US 6344844<br>B1 | USPAT | 20020205 |  | Digital oscilloscope having improved peak detect mode                      | 345/440.1 | 345/690   | Timm; Daniel<br>P. et al.            |
| US D451479<br>S  | USPAT | 20011204 |  | Multimedia receptacle box  | D13/152   |   | Bateson; Gary<br>William et al.      |
| US 6301547<br>B1 | USPAT | 20011009 |  | Method and apparatus for automatically acquiring a waveform measurement    | 702/67    | 702/66  | Felps; Jimmie<br>D                   |
| US 6255730<br>B1 | USPAT | 20010703 |  | Integrated low cost thick film RF module                                   | 257/728   | 257/664;<br>257/688;<br>257/691;<br>257/704;<br>257/730;<br>257/731;<br>257/E23.114 | Dove; Lewis<br>R et al.              |
| US 6215275       | USPAT | 20010410 |  | Method for the automatic   | 320/106   | 320/162;  | Bean; Heather                        |

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| B1               |       |          |  | determination of battery chemistry in portable electronic devices                      |           | 324/429;<br>324/433;<br>340/636.15;<br>340/636.16   | N.                               |
| US 6199264<br>B1 | USPAT | 20010313 |  | Method of assembling a ground fault interrupter wiring device                          | 29/593    | 29/622  | Marcou; Jean-Claude et al.       |
| US 6187372<br>B1 | USPAT | 20010213 |  | Method for producing large area thick film resistors with uniform thickness            | 427/102   | 101/127.1;<br>101/128.1;<br>101/129;<br>427/103;<br>427/282   | Johnson;<br>Rosemary O et al.    |
| US 6176920<br>B1 | USPAT | 20010123 |  | Cementitious structural panel and method of its manufacture                            | 106/711   | 106/676;<br>264/257;<br>264/271.1;<br>264/333;<br>264/69;<br>264/71;<br>264/DIG.57;<br>428/113;<br>428/193;<br>428/292.1;<br>428/294.1;<br>428/294.7;<br>428/312.4;<br>428/319.1;<br>428/70;<br>428/703 | Murphy;<br>Patrick B. et al.     |
| US 6175955<br>B1 | USPAT | 20010116 |  | Method for retrieving selected data values in a processor using data visibility macros | 717/126   | 717/130;<br>717/140   | Ojennes;<br>Daniel James et al.  |
| US 6175228<br>B1 | USPAT | 20010116 |  | Electronic probe for measuring high impedance tri-state logic circuits                 | 324/72.5  | 324/149;<br>324/754   | Zamborelli;<br>Thomas J. et al.  |
| US 6155402<br>A  | USPAT | 20001205 |  | Conveyor system  | 198/346.2 | 198/465.1   | Murphy;<br>Patrick M.            |
| US 6140811<br>A  | USPAT | 20001031 |  | Hand-held measurement device combining two logic level indicators                      | 324/115   |   | Little;<br>Douglas               |
| US 6125509<br>A  | USPAT | 20001003 |  | Rotation dependent frictional hinge mechanism  | 16/337    | 16/341;<br>16/342;<br>403/103;<br>403/92  | Hartigan;<br>Michael J. et al.   |
| US D423011<br>S  | USPAT | 20000418 |  | Voice pager  | D14/191   |   | Goldenberg;<br>Michael P. et al. |
| US 6035491<br>A  | USPAT | 20000314 |  | Hinge control mechanism for a foldable device  | 16/342    | 16/336  | Hartigan;<br>Michael J. et al.   |

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| US D420663<br>S | USPAT | 20000215 |  | Communications transceiver  | D14/138  | D14/137;<br>D18/7   | Goldenberg;<br>Michael P. et al.      |
| US 6020918<br>A | USPAT | 20000201 |  | Pipe inspection apparatus   | 348/84   | 108/93  | Murphy;<br>Patrick M.                 |
| US 5999861<br>A | USPAT | 19991207 |  | Method and apparatus for computer-aided design of different-sized RF modular hybrid circuits    | 700/182  | 700/186   | Dove; Lewis<br>R. et al.              |
| US 5996100<br>A | USPAT | 19991130 |  | System and method for the injection and cancellation of a bias voltage in an attenuated circuit | 714/724  | 714/721   | Noble; Robert<br>H. et al.            |
| US 5994918<br>A | USPAT | 19991130 |  | Zero delay regenerative circuit for noise suppression on a computer data bus                    | 326/30   | 326/28;<br>326/86;<br>326/90;<br>326/93   | Mehra;<br>Amitabh                     |
| US 5977774<br>A | USPAT | 19991102 |  | Method for detecting open circuits with a measurement device                                    | 324/523  | 324/539;<br>324/603;<br>324/607;<br>324/73.1;<br>324/763  | Noble; Robert<br>H. et al.            |
| US 5960593<br>A | USPAT | 19991005 |  | Collapsible building  | 52/79.5  | 52/143;<br>52/643   | Murphy;<br>Patrick                    |
| US 5948546<br>A | USPAT | 19990907 |  | Flexible laminates bonded with water-based laminating vehicles and laminating adhesives         | 428/500  | 156/326;<br>156/331.2;<br>156/331.6;<br>428/476.3;<br>428/483;<br>428/507;<br>428/515;<br>428/520;<br>523/411;<br>524/501;<br>524/555 | Bafford;<br>Richard<br>Anthony et al. |
| US 5942982<br>A | USPAT | 19990824 |  | System for detecting open circuits with a measurement device                                    | 340/652  | 324/500;<br>324/523;<br>324/527;<br>340/660   | Noble; Robert<br>H. et al.            |
| US 5933224<br>A | USPAT | 19990803 |  | Hand-held distance-measurement apparatus and system   | 356/4.01 | 359/428;<br>42/115  | Hines; Robin<br>H. et al.             |
| US 5923517<br>A | USPAT | 19990713 |  | Transient voltage surge suppressor with a reversible on-off switch assembly                     | 361/111  | 340/659;<br>361/118;<br>361/127   | Murphy;<br>Patrick J.                 |
| US 5917391<br>A | USPAT | 19990629 |  | Transient voltage surge suppressor having a switch with overtravel protection                   | 335/18   | 335/17  | Mahaney;<br>John et al.               |
| US 5905622<br>A | USPAT | 19990518 |  | Transient voltage surge suppressor with internal  | 361/118  | 361/111;<br>361/746;  | Finlay, Sr.;<br>David A. et           |

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| US 5898171<br>A | USPAT | 19990427 | Imaging scanner with light source and pivoting mirror in lid   | 250/234    | 358/475                      | McConica; Charles H. et al.   |
| US 5892756<br>A | USPAT | 19990406 | Portable telecommunication network testing device  | 370/241    | 379/21                       | Murphy; Patrick               |
| US 5868472<br>A | USPAT | 19990209 | Aircraft passenger seat frame  | 297/452.18 | 297/216.1                    | Grilliot; Ronald et al.       |
| US D404357<br>S | USPAT | 19990119 | Housing for battery charging device  | D13/108    |                              | Foster; Alan L. et al.        |
| US 5859538<br>A | USPAT | 19990112 | Method and apparatus for connecting a ball grid array device to a test instrument to facilitate the monitoring of individual signals or the interruption of individual signals or both | 324/755    | 324/158.1; 324/765           | Self; Bob J.                  |
| US D403249<br>S | USPAT | 19981229 | Faceless watch system  | D10/32     |                              | Murphy; Patrick J. et al.     |
| US 5848719<br>A | USPAT | 19981215 | Battery cover latch  | 220/326    | 220/281; 220/345.3           | Goldenberg; Michael P.        |
| US 5795025<br>A | USPAT | 19980818 | Retractable armrest for an aircraft seat   | 297/411.36 | 297/115; 297/411.31          | Murphy; Patrick               |
| US 5766978<br>A | USPAT | 19980616 | Process for testing an integrated circuit package using an integrated circuit package retainer   | 438/15     | 438/117; 438/18              | Johnson; Kenneth W.           |
| US 5758067<br>A | USPAT | 19980526 | Automated tape backup system and method  | 714/54     | 711/162                      | Makinen; Bruce A. et al.      |
| US 5754848<br>A | USPAT | 19980519 | Apparatus and method for disaster recovery of an operating system utilizing long file and directory names  | 707/200    | 707/202                      | Hanes; David H.               |
| US 5736784<br>A | USPAT | 19980407 | Variable-width lead interconnection structure and method   | 257/692    | 257/735; 257/E23.068; 333/34 | Dove; Lewis R.                |
| US D390824<br>S | USPAT | 19980217 | Housing for battery charging device  | D13/108    |                              | Foster; Alan L. et al.        |
| US D390699<br>S | USPAT | 19980217 | Communication product holster  | D3/218     |                              | Goldenberg; Michael P. et al. |
| US 5717699<br>A | USPAT | 19980210 | Method and apparatus for accessing internal integrated circuit signals   | 714/725    |                              | Haag; George A. et al.        |
| US 5716018<br>A | USPAT | 19980210 | Tape guide for digital data tape mini-cartridge  | 242/346    |                              | Begley; Paul V. et al.        |
| US 5710425<br>A | USPAT | 19980120 | Dual resolution scanner with light source and  | 250/234    | 358/487; 358/506             | McConica; Charles H. et       |

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| US 5697538<br>A | USPAT | 19971216 |  | Holster for a portable communication device   | 224/676    | 224/245;<br>224/930   | Goldenberg;<br>Michael P. et al.     |
| US 5672784<br>A | USPAT | 19970930 |  | Synthesis of tetrafluoroethylene  | 570/159    |   | Murphy;<br>Patrick<br>Michael et al. |
| US 5661876<br>A | USPAT | 19970902 |  | Hose clamp  | 24/19      | 24/269  | Goldenberg;<br>Michael               |
| US 5651514<br>A | USPAT | 19970729 |  | Recline safety lock assembly  | 244/122R   | 244/121;<br>297/216.14;<br>297/216.15;<br>297/216.19;<br>297/216.2;<br>297/378.11 | Grilliot;<br>Ronald et al.           |
| US 5646542<br>A | USPAT | 19970708 |  | Probing adapter for testing IC packages   | 324/755    | 324/765   | Zamborelli;<br>Thomas J. et al.      |
| US 5636901<br>A | USPAT | 19970610 |  | Aircraft passenger seat frame   | 297/452.18 | 248/188.1;<br>297/216.1;<br>297/362.13;<br>297/452.2;<br>297/452.55               | Grilliot;<br>Ronald et al.           |
| US 5635935<br>A | USPAT | 19970603 |  | Power reduction technique for current mode digital-to-analog converters                                 | 341/135    | 327/544;<br>341/136   | Ignowski;<br>James S. et al.         |
| US 5623876<br>A | USPAT | 19970429 |  | Apparatus and method for positioning a printing mechanism between stations in a mail handling apparatus | 101/483    | 101/425;<br>347/33;<br>400/702  | Murphy, III;<br>Charles F. et al.    |
| US 5617298<br>A | USPAT | 19970401 |  | Collinear terminated transmission line structure  | 361/766    | 257/E27.115;<br>338/308;<br>361/765   | Casey; John<br>F. et al.             |
| US 5611044<br>A | USPAT | 19970311 |  | System and method for cross-triggering a software logic analyzer and a hardware analyzer                | 714/38     |   | Lundeby;<br>Bruce A.                 |
| US 5601248<br>A | USPAT | 19970211 |  | Tape guide for digital data tape mini-cartridge   | 242/346    |   | Begley; Paul<br>V. et al.            |
| US 5594398<br>A | USPAT | 19970114 |  | Ground fault interrupter wiring device with improved moveable contact system                            | 335/18     | 361/42  | Marcou; Jean-<br>Claude et al.       |
| US 5563392<br>A | USPAT | 19961008 |  | Method and apparatus for monitoring wear of a continuous chain  | 235/91R    | 324/206;<br>73/828  | Brown;<br>Patrick A. et al.          |
| US 5551936<br>A | USPAT | 19960903 |  | Collapsible weight lifter's bench   | 482/142    | 108/131;<br>482/104;<br>482/908   | Parisi;<br>Richard H. et al.         |



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| US 5530706<br>A | USPAT | 19960625 |  | Non-destructive sampling of internal states while operating at normal frequency                        | 714/727 | 307/407;<br>714/724;<br>714/725;<br>714/732;<br>714/733;<br>714/734   | Josephson;<br>Don D. et al.    |
| US 5522601<br>A | USPAT | 19960604 |  | Locking labyrinth sealing assembly   | 277/421 |   | Murphy;<br>Patrick T.          |
| US 5519695<br>A | USPAT | 19960521 |  | Switch element for fiber channel networks  | 370/352 | 370/360;<br>398/45  | Purohit;<br>Robin et al.       |
| US 5510760<br>A | USPAT | 19960423 |  | Ground fault interrupter wiring device with improved latching and actuating components                 | 335/18  | 361/51  | Marcou; Jean-Claude et al.     |
| US 5506378<br>A | USPAT | 19960409 |  | Impact resistant switch mechanism  | 200/345 | 200/292;<br>200/301;<br>200/302.1;<br>200/336;<br>200/564;<br>200/567 | Goldenberg;<br>Michael P.      |
| US 5504986<br>A | USPAT | 19960409 |  | Method of manufacturing collinear terminated transmission line structure with thick film circuitry     | 29/620  | 219/121.69;<br>257/E27.115;<br>29/847;<br>338/195;<br>427/101         | Casey; John<br>F. et al.       |
| US 5490007<br>A | USPAT | 19960206 |  | Bypass switching and messaging mechanism for providing intermix data transfer for a fiber optic switch | 398/52  | 398/2   | Bennett;<br>Dwayne R. et al.   |
| US 5438659<br>A | USPAT | 19950801 |  | Object-action user interface management system   | 715/505 | 715/975;<br>719/328   | Notess; Mark<br>H. et al.      |
| US 5433267<br>A | USPAT | 19950718 |  | Fire truck cooling system  | 165/41  | 123/41.08;<br>123/41.51   | Ammer; John<br>M. et al.       |
| US 5430289<br>A | USPAT | 19950704 |  | Illuminating scanner lid for an optical scanner  | 250/205 | 358/471   | Erickson;<br>Michael D. et al. |
| US 5426405<br>A | USPAT | 19950620 |  | Family of different-sized demountable hybrid assemblies with microwave-bandwidth interconnects         | 333/247 | 257/726;<br>257/727;<br>257/E23.084                                   | Miller; Daniel<br>J. et al.    |
| US 5424918<br>A | USPAT | 19950613 |  | Universal hybrid mounting system   | 361/704 | 257/719;<br>257/E23.084;<br>439/78                                    | Felps; Jimmie<br>D. et al.     |
| US D356587<br>S | USPAT | 19950321 |  | Photographic camera  | D16/218 | D16/200   | Shuler; Eric<br>T. et al.      |
| US 5400222<br>A | USPAT | 19950321 |  | L Connectors for an extensible computer bus  | 361/804 | 361/736;<br>361/742;<br>361/790;                                      | Nelsen;<br>Stephen P. et al.   |

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| US 5366072<br>A | USPAT | 19941122 |  | Storage pouch and eyeglass<br>neckstrap tensioning device                     | 206/5    | 224/614;<br>351/123;<br>351/156  | Goldenberg;<br>Michael P.            |
| US 5363089<br>A | USPAT | 19941108 |  | Electronic device having<br>multi-position hinged<br>mechanism                | 340/7.63 | 16/342;<br>16/354;<br>340/7.55;<br>379/433.04;<br>379/433.05;<br>379/433.06;<br>379/434;<br>455/347;<br>455/349              | Goldenberg;<br>Michael P.            |
| US 5345857<br>A | USPAT | 19940913 |  | Thermoplastic bellows and<br>method of forming the<br>same                    | 92/34    | 137/625.5;<br>251/129.17;<br>251/335.2;<br>251/335.3;<br>264/154;<br>264/318;<br>264/572;<br>277/636;<br>29/421.1;<br>29/454 | Murphy;<br>Patrick H.                |
| US 5303421<br>A | USPAT | 19940412 |  | Method and apparatus for<br>coupling straps of a wrist<br>worn device         | 455/344  | 24/265WS;<br>340/7.63;<br>455/274;<br>455/351  | Goldenberg;<br>Michael P.            |
| US 5302863<br>A | USPAT | 19940412 |  | CMOS peak amplitude<br>detector   | 327/60   | 327/58   | Walley;<br>Thomas M. et<br>al.       |
| US D345161<br>S | USPAT | 19940315 |  | Combined tape recorder,<br>player and microphone                              | D14/165  | D14/168  | Murphy;<br>Patrick J.                |
| US 5265275<br>A | USPAT | 19931123 |  | Selective call receiver<br>having moveable battery<br>contacts                | 455/348  | 361/814;<br>455/349;<br>455/351  | Goldenberg;<br>Michael P. et<br>al.  |
| US 5245245<br>A | USPAT | 19930914 |  | Mass-loaded cantilever<br>vibrator  | 310/330  | 310/312;<br>310/321;<br>340/407.1;<br>340/7.6  | Goldenberg;<br>Michael P.            |
| US 5190160<br>A | USPAT | 19930302 |  | Method and apparatus for<br>enhancing transport of<br>knots in a knot drainer | 209/270  | 162/251;<br>162/55;<br>209/379;<br>209/397;<br>210/297;<br>210/298   | Murphy;<br>Patrick D. et<br>al.      |
| US 5186101<br>A | USPAT | 19930216 |  | Ink replenishing system   | 101/97   | 101/301;<br>101/324;<br>101/333;   | Murphy, III;<br>Charles F. et<br>al. |

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|                 |       |          |  |  |           | 101/338  |   |
| US 5175873<br>A | USPAT | 19921229 |  | Water resistant selective<br>call receiver   | 455/351   | 340/815.76;<br>361/680;<br>361/814;<br>455/128;<br>455/347;<br>455/349 | Goldenberg;<br>Michael P. et<br>al.       |
| US 5157325<br>A | USPAT | 19921020 |  | Compact, wireless<br>apparatus for electrically<br>testing printed circuit<br>boards | 324/761   | 324/72.5   | Murphy;<br>Patrick K.                     |
| US 5138518<br>A | USPAT | 19920811 |  | Method for manufacturing a<br>selective call receiver                                | 361/225   | 200/302.1;<br>29/825;<br>29/896.33                                     | Schmertmann;<br>Neil J. et al.            |
| US 5134418<br>A | USPAT | 19920728 |  | Apparatus for sensing the<br>integrity of a wristband<br>antenna                     | 343/718   | 343/894  | Gomez;<br>Fernando et<br>al.              |
| US 5113196<br>A | USPAT | 19920512 |  | Loop antenna with<br>transmission line feed  | 343/744   | 343/702;<br>343/848  | Ponce de<br>Leon;<br>Lorenzo A. et<br>al. |
| US 5069722<br>A | USPAT | 19911203 |  | Cleaning zebra mussels<br>from water pipes   | 134/22.11 | 134/22.12;<br>15/104.05;<br>15/104.16;<br>15/104.2                     | Murphy;<br>Patrick M.                     |
| US 5069577<br>A | USPAT | 19911203 |  | Flexible raised pavement<br>marker   | 404/11    | 404/13   | Murphy;<br>Patrick E.                     |
| US 5059128<br>A | USPAT | 19911022 |  | Engager matrix   | 439/65    | 439/161;<br>439/708;<br>439/74;<br>439/81                              | Murphy;<br>Patrick J. et<br>al.           |
| US 5016326<br>A | USPAT | 19910521 |  | Belt clip  | 24/3.11   | 224/269;<br>224/930;<br>24/511   | Goldenberg;<br>Michael P.                 |
| US D315668<br>S | USPAT | 19910326 |  | Securing and support<br>device for conduits, pipes,<br>or the like                   | D8/354    |  | Murphy;<br>Patrick J.                     |
| US 4990056<br>A | USPAT | 19910205 |  | Stator vane stage in axial<br>flow compressor  | 415/160   | 29/889.22;<br>415/189;<br>415/209.4                                    | McClain;<br>John C. et al.                |
| US 4988305<br>A | USPAT | 19910129 |  | High density connectors  | 439/65    | 439/161;<br>439/708;<br>439/74;<br>439/81                              | Svenkeson;<br>John W. et al.              |
| US 4982988<br>A | USPAT | 19910108 |  | Side panel clamp<br>mechanism  | 294/81.61 | 294/104;<br>294/88;<br>901/37  | Murphy;<br>Patrick M.                     |
| US D310664<br>S | USPAT | 19900918 |  | Monitor receiver   | D14/137   | D14/159  | Murphy;<br>Patrick J.                     |
| US D310218      | USPAT | 19900828 |  | Monitor transmitter  | D14/137   | D14/159  | Murphy;                                   |

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| S               |       |          |  |   |         |   | Patrick J.                      |
| US 4950931<br>A | USPAT | 19900821 |  | Vibrator  | 310/36  | 310/15  | Goldenberg;<br>Michael et al.   |
| US 4949098<br>A | USPAT | 19900814 |  | Thermal printhead<br>controlling means  | 347/197 | 400/56  | Gluck; Julius<br>et al.         |
| US 4943181<br>A | USPAT | 19900724 |  | Quick disconnect with<br>locking feature for pick and<br>place devices  | 403/324 | 292/143;<br>292/165;<br>403/116;<br>403/322.4           | Murphy;<br>Patrick M.           |
| US 4927370<br>A | USPAT | 19900522 |  | High density connector  | 439/74  | 29/874;<br>439/161;<br>439/708;<br>439/81               | Murphy;<br>Patrick J. et<br>al. |
| US 4926193<br>A | USPAT | 19900515 |  | Thermal transfer ribbon<br>cartridge including ribbon<br>perforating means  | 347/214 | 347/217;<br>400/208;<br>400/227.1                       | Berson;<br>William et al.       |
| US 4899963<br>A | USPAT | 19900213 |  | Support saddle for elongate<br>articles and interpositioning<br>device for dissimilar<br>surfaces                                     | 248/65  | 24/16R;<br>248/74.3;<br>403/400                         | Murphy;<br>Patrick J.           |
| US 4899172<br>A | USPAT | 19900206 |  | Method and apparatus for<br>perforating indicia on used<br>thermal transfer ribbon<br>within a cassette                               | 347/217 | 347/214;<br>400/191;<br>400/227.1;<br>400/703           | Berson;<br>William et al.       |
| US 4893041<br>A | USPAT | 19900109 |  | Stator end cap insulator<br>assembly including an<br>improved stator liner, stator<br>liner retainer and shading<br>element insulator | 310/215 | 310/172;<br>310/259;<br>310/43;<br>310/45;<br>310/89    | Snider; S.<br>Duke et al.       |
| US D304832<br>S | USPAT | 19891128 |  | Tape recorder   | D14/165 | D14/168;<br>D21/516                                     | Murphy;<br>Patrick J.           |
| US 4872081<br>A | USPAT | 19891003 |  | Duplex electrical receptacle<br>with voltage surge<br>suppression   | 361/117 | 361/118;<br>361/127;<br>361/641;<br>361/736;<br>D13/160 | Murphy;<br>Patrick J. et<br>al. |
| US 4860025<br>A | USPAT | 19890822 |  | Thermal transfer printing<br>process  | 347/217 |   | Berson;<br>William et al.       |
| US 4857942<br>A | USPAT | 19890815 |  | Apparatus for processing<br>irregularly-shaped letters in<br>a thermal printer  | 347/220 | 400/662   | Murphy;<br>Patrick et al.       |
| US 4855756<br>A | USPAT | 19890808 |  | Thermal transfer printing<br>apparatus including means<br>for controlling printing on<br>irregularly-shaped letters                   | 347/197 | 347/220;<br>400/662                                     | Gluck; Julius<br>et al.         |
| US 4848921<br>A | USPAT | 19890718 |  | Apparatus and method for<br>power compensation in a<br>differential scanning<br>calorimeter   | 374/11  | 374/31  | Kunze;<br>Wolfgang              |
| US D299473      | USPAT | 19890117 |  | Educational toy viewing   | D19/60  |   | Murphy;                         |

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| S               |       |          |  | device  |            |   | Patrick J.                     |
| US 4791036<br>A | USPAT | 19881213 |  | Anode conductor for alkaline cells  | 429/178    | 420/490;<br>429/211   | Schrenk;<br>David J. et al.    |
| US 4789301<br>A | USPAT | 19881206 |  | Low specific speed pump casing construction   | 415/206    | 29/527.6;<br>29/DIG.26;<br>415/212.1  | Osborne;<br>James C. et al.    |
| US 4758002<br>A | USPAT | 19880719 |  | Indoor baseball   | 473/468    | 472/94  | Murphy;<br>Patrick M.          |
| US D295965<br>S | USPAT | 19880531 |  | Watch   | D10/32     | D11/19  | Murphy;<br>Patrick J.          |
| US 4738684<br>A | USPAT | 19880419 |  | Fuel briquette  | 44/591     |   | Murphy;<br>Patrick             |
| US D293755<br>S | USPAT | 19880119 |  | Cover for a cervical pillow   | D6/601     |   | Murphy;<br>Patrick T.          |
| US D290843<br>S | USPAT | 19870714 |  | Combined radio and microphone   | D14/168    | D14/196;<br>D14/228   | Murphy;<br>Patrick J.          |
| US 4594504<br>A | USPAT | 19860610 |  | Light modulation sensor in a vortex shedding flowmeter  | 250/227.21 | 73/705;<br>73/861.24  | Coursolle;<br>Thomas P. et al. |
| US D278901<br>S | USPAT | 19850521 |  | Speaker   | D14/214    |   | Murphy;<br>Patrick J.          |
| US D278810<br>S | USPAT | 19850514 |  | Phonograph  | D14/203    |   | Murphy;<br>Patrick J.          |
| US 4506121<br>A | USPAT | 19850319 |  | Anti-overload operating linkage for enclosed interlocked receptacle with safety switch or circuit breaker | 200/50.28  | 200/401;<br>74/470  | Peterson;<br>Brian P. et al.   |
| US 4483712<br>A | USPAT | 19841120 |  | Water-borne laminating ink  | 106/31.4   | 106/31.42;<br>106/31.43;<br>106/31.72;<br>106/31.74;<br>106/31.75;<br>428/497 | Murphy;<br>Patrick N.          |
| US 4474346<br>A | USPAT | 19841002 |  | Collapsible cowl structure for gas-turbine engine strut   | 244/54     | 244/121;<br>248/554;<br>415/9;<br>60/39.091;<br>60/797                        | Murphy;<br>Patrick et al.      |
| US 4266741<br>A | USPAT | 19810512 |  | Mounting apparatus for fan jet engine having mixed flow nozzle installation                               | 244/54     | 248/554;<br>60/226.1  | Murphy;<br>Patrick             |
| US 4213585<br>A | USPAT | 19800722 |  | Mounting system for a wing mounted aircraft engine  | 244/54     | 244/55;<br>248/554;<br>60/797   | Murphy;<br>Patrick             |
| US 4068577<br>A | USPAT | 19780117 |  | Work positioning table  | 100/224    | 100/229R;<br>108/137;<br>280/43.23  | Murphy;<br>Patrick Joseph      |
| US 4012525<br>A | USPAT | 19770315 |  | Novel propoxyphene dosage regimen   | 514/546    |   | Murphy;<br>Patrick J. et       |

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|                 |       |          |  |  |           |  | al.  |
| US 3981414<br>A | USPAT | 19760921 |  | Beverage dispensing<br>system  | 222/38    | 222/334;<br>222/66                     | Gust;<br>Raymond<br>Edward et al.          |
| US 3974895<br>A | USPAT | 19760817 |  | Emergency brake unit   | 188/76    | 192/73                                 | Murphy;<br>Patrick N.                      |
| US 3906583<br>A | USPAT | 19750923 |  | Windshield cleaning device   | 15/250.03 | 15/250.41                              | Murphy;<br>Patrick W.                      |
| US 3879848<br>A | USPAT | 19750429 |  | Multiple center punch tool   | 30/366    | 30/359;<br>30/364;<br>7/169;<br>81/439 | Murphy;<br>Patrick W.                      |
| US 3866879<br>A | USPAT | 19750218 |  | WATER LEAK VALVE   | 251/145   | 251/146;<br>251/216                    | Elizondo;<br>David<br>Villarreal et<br>al. |
| US 3753561<br>A | USPAT | 19730821 |  | CLUSTER BALL RACK<br>WITH BALL DIRECTOR  | 473/110   |  | Szymanski;<br>Richard et al.               |
| US 3743290<br>A | USPAT | 19730703 |  | FOUL DETECTING<br>SYSTEM FOR A<br>BOWLING GAME   | 473/72    | 250/221;<br>340/323B                   | Crimmins;<br>William M. et<br>al.          |
| US 3728709<br>A | USPAT | 19730417 |  | PIN FALL DISPLAY ON<br>BALL LIFT HOOD  | 340/323R  | 340/525;<br>473/65;<br>473/69          | McLeod;<br>David Peter et<br>al.           |
| US 3662258<br>A | USPAT | 19720509 |  | DEVICE FOR LOCATING<br>NAILS BENEATH THE<br>SURFACE OF A<br>BOWLING LANE   | 324/227   | 324/239                                | Murphy;<br>Patrick J. et<br>al.            |
| US 3619630<br>A | USPAT | 19711109 |  | ARROW DETECTION<br>SYSTEM EMPLOYING A<br>SWEEPING LASER<br>BEAM  | 250/222.1 | 250/216;<br>250/236;<br>273/371        | McLeod;<br>David P. J. et<br>al.           |
| US 3590225<br>A | USPAT | 19710629 |  | DIGITAL ARROW<br>LOCATION COMPUTER   | 377/5     | 273/371;<br>377/53                     | Murphy;<br>Patrick J.                      |
| US 3548203<br>A | USPAT | 19701215 |  | HIGH FREQUENCY<br>RECIPROCAL<br>COUNTING CIRCUITS<br>EMPLOYING A<br>PLURALITY OF<br>BISTABLE CIRCUITS<br>SEQUENTIALLY<br>COUPLED TO A<br>SUCCEEDING CIRCUIT<br>BY MEANS OF<br>COINCIDENCE GATES<br>AND SWITCHES [TEXT<br>AVAILABLE IN USOCR<br>DATABASE] | 377/110   |  | BASSE<br>PHILIP et al.                     |
| US 3520145<br>A | USPAT | 19700714 |  | ABSORPTION<br>REFRIGERATION  | 62/101    | 62/148;<br>62/476                      | BROWN<br>EARL L et al.                     |

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|                 |       |          |  | MACHINE [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   |         |  |                                  |
| US 3520144<br>A | USPAT | 19700714 |  | ABSORPTION<br>REFRIGERATION<br>SYSTEM [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 62/85   | 62/101;<br>62/475;<br>62/476   | MURPHY<br>PATRICK L              |
| US 3508440<br>A | USPAT | 19700428 |  | GOLF GAME [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 473/155 | 702/158  | MURPHY<br>PATRICK J              |
| US 3505827<br>A | USPAT | 19700414 |  | REFRIGERATION<br>SYSTEM HAVING<br>GENERATOR FUEL<br>SUPPLY CONTROL<br>MEANS [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 62/148  |  | MCNEELY<br>LOWELL A<br>et al.    |
| US 3456059<br>A | USPAT | 19690715 |  | N1-(2 - (P-<br>HYDROXYPHENYL)ETH<br>YL)BIGUANIDE AS A<br>HYPOGLYCEMIC<br>AGENT AND AS A<br>WEIGHT REDUCING<br>AGENT [TEXT<br>AVAILABLE IN USOCR<br>DATABASE] | 514/635 | 564/234  | WICK ARNE<br>N et al.            |
| US 3438717<br>A | USPAT | 19690415 |  | CIGARETTE LIGHTERS<br>[TEXT AVAILABLE IN<br>USOCR DATABASE]  | 431/137 | 431/138  | MURPHY<br>PATRICK J<br>JR et al. |
| US 3167933<br>A | USPAT | 19650202 |  | Cryogenic storage<br>apparatus [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]  | 62/371  | 220/560.03;<br>220/560.13;<br>220/560.14;<br>220/592.27;<br>220/901;<br>220/918;<br>62/373;<br>62/441;<br>62/457.9;<br>62/64 | BECKMAN<br>JOHN H et al.         |
| US 3098545<br>A | USPAT | 19630723 |  | Emergency brake [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 188/76  | 188/106R;<br>188/152;<br>188/205R;<br>188/365;<br>188/78   | MURPHY<br>PATRICK N              |
| US 2074414<br>A | USPAT | 19370323 |  | Beverage container [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]  | 137/209 | 220/506;<br>222/399  | MURPHY<br>PATRICK J              |
| US 1750809<br>A | USPAT | 19300318 |  | Baster for meats [TEXT<br>AVAILABLE IN USOCR   | 99/345  |  | JOSEPH<br>LIESER                 |

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|              |       |          |  | DATABASE]  |         |                     | GEORGE et al.        |
| US 1457453 A | USPAT | 19230605 |  | Drawing roll [TEXT AVAILABLE IN USOCR DATABASE]                  | 492/56  |                     | MURPHY PATRICK A     |
| US 1389066 A | USPAT | 19210830 |  | Steel mine-rail tie [TEXT AVAILABLE IN USOCR DATABASE]           | 238/10R | 238/106;<br>238/331 | MURPHY PATRICK J     |
| US 1343639 A | USPAT | 19200615 |  | Process and means for cutting [TEXT AVAILABLE IN USOCR DATABASE] | 83/55   | 83/126;<br>83/620   | MURPHY JOHN T et al. |